

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6 (canceled)

Claim 7 (currently amended): A communication system having a plurality of communication apparatuses, each of the plurality of communication apparatuses comprising:

first communication means for executing a communication between each communication apparatus and an other communication apparatus by a first communication protocol, wherein each communication apparatus can act as an initiator of a communication by a first communication protocol and a target of a communication by a first communication protocol;

exchange means for exchanging communication information necessary to a communication executed by a second communication protocol included in a communication protocol available by the other communication apparatus between the communication apparatus and the other communication apparatus by the communication executed by the first communication protocol;

switching means for switching the communication between each communication apparatus and the other communication apparatus from the communication executed by the first communication protocol to the communication executed by the second communication protocol;
and

second communication means for executing the communication by the second communication protocol between each communication apparatus and the other communication ~~mean~~ apparatus based on the communication information exchanged by the exchange means.

Claim 8 (currently amended): A communication apparatus for executing a communication between the communication apparatus and other communication apparatus, comprising:

first communication means for executing a communication between the communication apparatus and the other communication apparatus by a first communication protocol;

acquisition means for acquiring identification information of the other communication apparatus by the communication executed by the first communication protocol before acquiring the protocol information of a communication protocol available by the other communication apparatus through the communication executed by the first communication protocol;

exchange means for exchanging communication information necessary to a communication executed using a second communication protocol included in the communication protocol available by the other communication apparatus between each communication apparatus and the other communication apparatus by the communication executed using the first communication protocol;

switching means for switching the communication between the communication apparatus and the other communication apparatus from the communication executed by the first communication protocol to the communication executed using the second communication protocol; and

second communication means for executing the communication by the second communication protocol between the communication apparatus and the other communication apparatus based on the communication information exchanged by the exchange means.

Claim 9 (currently amended): A communication apparatus according to claim 8, wherein the communication executed by the first and second communication protocols is a wireless communication, and, when the other communication apparatus is located in the vicinity of the communication apparatus, the first communication means executes the communication by the first communication protocol between the communication apparatus and the other communication apparatus.

Claim 10 (previously presented): A communication apparatus according to claim 9, wherein, in the first communication protocol, the communication is executed by specifying the other communication apparatus located in the vicinity of the communication apparatus.

Claim 11 (currently amended): A method of executing a communication between a communication apparatus and an other communication apparatus, the method comprising:

executing a communication between the communication apparatus and the other communication apparatus by a first communication protocol;

acquiring identification information of the other communication apparatus by the communication executed by the first communication protocol before acquiring the information of a communication protocol available by the other communication apparatus by the communication executed by the first communication protocol;

exchanging communication information necessary to a communication executed by a second communication protocol included in the communication protocols available by the other communication apparatus between the communication apparatus and the other communication apparatus by the communication executed by the first communication protocol;

switching the communication between the communication apparatus and the other communication apparatus from the communication executed by the first communication protocol to the communication executed by the second communication protocol; and

executing the communication by the second communication protocol between the communication apparatus and the other communication apparatus based on the communication information exchanged.

Claim 12 (currently amended): A computer program product stored on a computer-readable medium including executable instructions that when ~~executed~~executed by a ~~processor~~processor performs steps for processing a communication between a communication apparatus and other communication apparatus, said steps comprising:

a first communication step of executing a communication between the communication apparatus and the other communication apparatus by a first communication protocol;

an acquisition step of acquiring identification information of the other communication apparatus by the communication executed by the first communication protocol before an acquisition step of acquiring the information of a communication protocol available by the other communication apparatus by the communication executed by the first communication protocol;

an exchange step of exchanging communication information necessary to a communication executed by a second communication protocol included in the communication protocols available by the other communication apparatus between the communication apparatus and the other communication apparatus by the communication executed by the first communication protocol;

a switching step of switching the communication between the communication apparatus and the other communication apparatus from the communication executed by the first communication protocol to the communication executed by the second communication protocol;
and

a second communication step of executing the communication by the second communication protocol between the communication apparatus and the other communication apparatus based on the communication information exchanged at the exchange step.

Claim 13 (currently amended): A communication apparatus for executing a communication between the communication apparatus and a second communication apparatus, comprising:

a logical layer communication unit that executes a wireless communication between the communication apparatus and the second communication apparatus using a logical communication protocol;

a first communication unit that executes a wireless communication between the communication apparatus and the second communication apparatus using a first communication protocol;

a second communication unit that executes a wireless communication between the communication apparatus and the second communication apparatus using a second communication protocol, wherein the first communication protocol and the second communication protocol are a lower layer protocol to the logical communication protocol;

an acquisition unit that acquires identification information used to execute the wireless communication using the first communication protocol and before acquiring information that the second communication protocol is available for use by the other communication apparatus, and further acquiring setting information used to establish the wireless communication using the second communication protocol, through the communication using the first communication protocol, wherein the setting information is necessary to execute the wireless communication by the second communication protocol; and

a control unit that controls to establish the wireless communication using the second communication protocol based on the acquired setting information and terminates the wireless communication using the first communication protocol.

Claim 14 (previously presented): A communication apparatus according to claim 13, wherein the first communication protocol is NFCIP-1.

Claim 15 (previously presented): A communication apparatus according to claim 13, wherein the acquisition unit repeatedly executes polling for requesting identification information until a response is received.

Claim 16 (currently amended): A communication apparatus according to claim 13, wherein a transaction ID and a transaction key are exchanged with the second communication apparatus for mutual authentication, through the communication using the first communication protocol, wherein mutual authentication occurs after acquiring the identification information and before acquiring the setting information.

Claim 17 (new): A communication apparatus according to claim 13, wherein the communication apparatus is a mobile apparatus and the second communication apparatus is a mobile apparatus.